

WA State Consolidated Technology Services
State Data Center Program
Reporting Period (July 9 - July 20)

Prepared By: SDC Program	Consolidated Technology Services
Date: 7/27/2012	Period Covered: July 9 – July 20

SDC Projects Status

Project	Planned for this Reporting Period (July 9- July 20)	Status of Work Preformed this Reporting Period (July 9 – July 20)			Planned for Next Reporting Period (July 23– August 3)	SCOPE	SCHEDULE	BUDGET
		Completed	Continuing	Comments				
SDC Program	<ul style="list-style-type: none"> Continue identification of project tasks, timelines, and resources for upcoming projects. 		✓	<ul style="list-style-type: none"> Continued work with project owners to update their portions of the overall project schedule. 	<ul style="list-style-type: none"> Continue refinement of the project schedule. 			
	<ul style="list-style-type: none"> Continue facilitation and management of the design decision process. Gain approval on the following design decisions: <ul style="list-style-type: none"> Fiber Pathways and Terminations between OB2 and the SDC 		✓	<ul style="list-style-type: none"> Completed draft of design decision on Fiber Pathways and Terminations between OB2 and the SDC. It was decided to combine this decision document with one that completes the required fiber runs within OB2. Additional design decisions were begun: <ul style="list-style-type: none"> SDC Storage Switch placement SDC Storage Placement SDC Network Roadmap Nexus 2k use & design Converged Networking 	<ul style="list-style-type: none"> Continue work on the following design decisions: <ul style="list-style-type: none"> Fiber pathways and terminations in OB2 and between OB2 and the SDC SDC Storage Switch placement SDC Storage Placement SDC Network Roadmap Nexus 2k use & design Converged Networking Continue refining the solution for fiber connectivity within OB2 and between OB2 and the SDC. 			
	<ul style="list-style-type: none"> Continue development of the SDC migration roadmap. 		✓	<ul style="list-style-type: none"> Work continued on a migration roadmap for the SDC. Four work sessions were completed. 	<ul style="list-style-type: none"> Continue development of the SDC migration roadmap. Facilitate work sessions scheduled twice a week. 			
	<ul style="list-style-type: none"> Finalize the SDC Program Management Plan. 		✓	<ul style="list-style-type: none"> Realigned the steering committee to match the scope of the project. The project is focused on CTS equipment only and not A la Carte customers. The steering committee now includes CTS managers only (no customers). A separate meeting for external stakeholders will be scheduled once the investment plan for the move is signed. 	<ul style="list-style-type: none"> Finalize the SDC Program Management Plan including the new governance structure. 			

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				<ul style="list-style-type: none"> Launched SDC Project Dashboard on the CTS Internet website. 	<ul style="list-style-type: none"> Post updates to the SDC Project Dashboard. 			
	<ul style="list-style-type: none"> Complete formal budget change requests as required. 	✓		<ul style="list-style-type: none"> Assessed historical budget changes. No budget related change requests are required as the investment plan budgets have not changed. 	<ul style="list-style-type: none"> Assess need for budget change requests, complete as required. 			
OB2 Heat Reduction Reduce the amount of heat being generated in the OB2 data center and provide an incident response plan.	<ul style="list-style-type: none"> Follow up with agencies that have not yet turned in templates including ESD and ATG; TSD still working on completing portions of the survey template. Compile results from templates including total number of devices, devices already shut down and devices planned to be shut down; reviewed results with project sponsor. SDC facilities continuing to input data into DCIM tool. May take until mid August to complete data input. 	✓	✓	<ul style="list-style-type: none"> Followed up with agencies: <ul style="list-style-type: none"> Received completed template from ESD. Received additional information from DSHS and CTS ESS (Security). TSD requested until mid-August to finalize their data. Completed detailed review of templates and compiled results. <ul style="list-style-type: none"> Completed first draft of report Requested clarifying information from CTS and DES. SDC facilities continuing to input data into DCIM tool. May take until mid August to complete data input. 	<ul style="list-style-type: none"> Follow up with TSD - anticipates completing template by mid-August. Circulate first draft of report for review. Follow up with agencies on requested additional or clarifying information. Follow up with Facilities on inputting data to DCIM. May take until mid August to complete. 			
SDC Facilities Prepare the SDC facility for customers. Includes preparing the critical environment (electrical/mechanical), floor space and physical security for customers.	<u>Critical Environment:</u> <ul style="list-style-type: none"> Receive TSD/ESS requirements for DC power design and procurement. Receive furniture. <u>Physical Security:</u> <ul style="list-style-type: none"> Expect quote from Vendor for separating security systems between the SDC and 1500 Jefferson office building. 		✓	<u>Critical Environment:</u> <ul style="list-style-type: none"> DC power design in progress; awaiting TSD requirements. Furniture layout determined for CE control room. <u>Physical Security:</u> <ul style="list-style-type: none"> Met w/ Vendor to further define requirements for quote on security separation between SDC & office building. 	<u>Critical Environment:</u> <ul style="list-style-type: none"> Receive TSD design requirements for DC power. Begin design and procurement process Waiting for furniture to arrive. <u>Physical Security:</u> <ul style="list-style-type: none"> Expect to receive quote from Vendor for security separation on 7/27. 			

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	<ul style="list-style-type: none"> New Security Office under construction; basic construction expected to be completed 6/30. Determining final scope of work for occupancy including phones, etc. Continue installation of Access Control Devices 		<ul style="list-style-type: none"> ✓ ✓ ✓ 	<ul style="list-style-type: none"> Basic construction of Security Office complete; working to determine configuration for occupancy. Additional Access Control Devices including video and cards being installed Begin process to select Perimeter Security vendor. 	<ul style="list-style-type: none"> Determining final scope of work for occupancy including phones, etc. for the Security office. Anticipate completion by end of month. Continue installation of Access Control Devices – planned to be completed 7/30. Review and recommend security consultant based upon responses to Howard S. Wright's RFP. 			
	<u>Space Management:</u> <ul style="list-style-type: none"> Submit internal request to procure Cable Management Documentation Software Configuration of Technology Lab enclosures and benches underway. Planning install of cabling to support TSD's GPS on rooftop of 3 story office building. Planning for provider space (entrance facility); waiting for requirements from TSD. Refine requirements for NCC operations 		<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ 	<u>Space Management:</u> <ul style="list-style-type: none"> Working with OLS on procurement process for the Cable Management Documentation Software Technology Lab benches installed, additional configuration activities continue. GPS cabling activities continue. Waiting on requirements from stakeholder 	<u>Space Management:</u> <ul style="list-style-type: none"> Initiate procurement process for Cable Management Documentation Software. Continue configuration of Technology Lab enclosures and benches. Continue cabling activities for GPS antenna. Continue planning for provider space. Anticipate completion by 10/31. Continue to refine requirements for NCC operations. Begin planning for moving NCC from OB2 into the SDC support space. 			
SDC Network Core Establish the network core in the SDC and connect with the OB2 network.	<ul style="list-style-type: none"> Continue work on CenturyLink contract Terms & Conditions. Continue work on Statement of Work updates for Cisco 		<ul style="list-style-type: none"> ✓ ✓ 	<ul style="list-style-type: none"> Continued work on CenturyLink contract Terms & Conditions. Continued work on Statement of Work updates for Cisco Rack & Stack and Engineering efforts. 	<ul style="list-style-type: none"> Continue work on CenturyLink contract Terms & Conditions. Continue work on CenturyLink Statement of Work updates for 			

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	Rack & Stack and Engineering efforts. <ul style="list-style-type: none"> Continue to work with CenturyLink and Cisco on shortage of (SFP) parts. Begin work on Cisco Engineering deliverables (Customer Requirements Document and High Level Design). Begin work on Cisco Rack & Stack deliverables (Site Survey and Equipment Inventory). 		✓ ✓ ✓	<ul style="list-style-type: none"> Continued to work with CenturyLink and Cisco on shortage of (SFP) parts. Begin work on Cisco Engineering deliverables (Customer Requirements Document and High Level Design). Begin work on Cisco Rack & Stack deliverables (Site Survey and Equipment Inventory). 	Cisco Rack & Stack and Engineering efforts. <ul style="list-style-type: none"> Continue to work with CenturyLink and Cisco on shortage of (SFP) parts. Continue work on Cisco Engineering Customer Requirements Document and High Level Design deliverables. Continue work on Cisco Rack & Stack equipment inventory and site survey deliverables. 			
	<ul style="list-style-type: none"> Continue work on SDC VLAN Design Decision. 	✓		<ul style="list-style-type: none"> SDC VLAN Design Decision. 	<ul style="list-style-type: none"> Continue work on VLAN and IP address assignments. 			
	<ul style="list-style-type: none"> Gain approval on Project Charter. 	✓		<ul style="list-style-type: none"> Project Charter approval 				
	<ul style="list-style-type: none"> Complete work on location of equipment in SDC Data Hall 1. 	✓		<ul style="list-style-type: none"> Location of equipment in SDC Data Hall 1. 				
	<ul style="list-style-type: none"> Install cable for GPS antenna. 	✓		<ul style="list-style-type: none"> GPS Antenna cable installation and certification. 				
	<ul style="list-style-type: none"> Continue refinement of project schedule as Cisco engineering and equipment install efforts unfold. 		✓	<ul style="list-style-type: none"> Continued refinement of project schedule as Cisco engineering and equipment install efforts unfold. 	<ul style="list-style-type: none"> Continue refinement of project schedule as Cisco Engineering and Rack & Stack efforts unfold 			
					<ul style="list-style-type: none"> Continue work on Rack Elevation diagrams. 			
	<ul style="list-style-type: none"> Continue work on (OB2 Lab) testing of 5K and 7K - MPLS and Fabric Path functionality required for SDC Network Core. 		✓	<ul style="list-style-type: none"> Continued work on (OB2 Lab) testing of 5K and 7K - MPLS and Fabric Path functionality 	<ul style="list-style-type: none"> Continue work on (OB2 Lab) testing of 5K and 7K - MPLS and Fabric Path functionality required for SDC Network Core. 			
	<ul style="list-style-type: none"> Continue work on OOB/FOOB Design Decision for SDC. 		✓	<ul style="list-style-type: none"> Continued work on OOB/FOOB Design Decision for SDC. 	<ul style="list-style-type: none"> Continue work on OOB/FOOB Design Decision for SDC. 			

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	<ul style="list-style-type: none"> Continue work on SDC/OB2 fiber path to support (OB2) Cisco M6 and CRS equipment moves to SDC. 		✓	<ul style="list-style-type: none"> Continued work on SDC/OB2 fiber path to support (OB2) Cisco M6 and CRS equipment moves to SDC. 	<ul style="list-style-type: none"> Continue work on SDC/OB2 fiber path to support (OB2) Cisco M6 and CRS equipment moves to SDC. 			
SDC Firewall Project Replace aged and over-capacity firewalls and deliver enhanced data security services to both OB2 and the SDC.	<ul style="list-style-type: none"> Planning process can begin based on contract signing 		✓	<ul style="list-style-type: none"> On hold until contract is signed. 	<ul style="list-style-type: none"> Get the contract signed with the vendor. 			
SDC Storage Optimization Replace aged systems and optimize the environment to reduce rates.	<ul style="list-style-type: none"> RFQQ – Respond to Vendor Questions 		✓	<ul style="list-style-type: none"> RFQQ – Responded to Vendor Questions 	<ul style="list-style-type: none"> RFQQ Evaluation 			
	<ul style="list-style-type: none"> Implement virtual server / software installation for EMC Secure Remote Support Gateway (ESRS) 		✓	<ul style="list-style-type: none"> Built ESRS virtual server 	<ul style="list-style-type: none"> EMC Secure Remote Support Gateway (ESRS) software installation 			
	<ul style="list-style-type: none"> Continue to develop and document Storage Business and Administrative Processes 		✓	<ul style="list-style-type: none"> Continued development of Storage Business and Administrative Processes 	<ul style="list-style-type: none"> Continue to develop and document Storage Business and Administrative Processes 			
				<ul style="list-style-type: none"> Requested quotes – APG & Unishere servers 				
					<ul style="list-style-type: none"> Upgrade OB2 Fabric Switch microcode 			
					<ul style="list-style-type: none"> Complete Investment Plan for acquisition of (4) 48 port cards for OB2 9513's 			
CTS Cloud Utility Service Provide a Cloud utility platform for CTS customers.	<ul style="list-style-type: none"> No activity planned during this reporting period. 			<ul style="list-style-type: none"> No activity planned or taken during this reporting period. 	<ul style="list-style-type: none"> No activity planned during this reporting period. 			
OB2 Risk Mitigation (CTS Move Phase 1) Move selected CTS equipment that best alleviates	<ul style="list-style-type: none"> Continue refinement of project task plan and schedule. 		✓	<ul style="list-style-type: none"> Worked with the mainframe, LTS (telephony) and CSD server groups to refine their sections of the project task plan and schedule. The plan includes approximately 200 individual milestones. 	<ul style="list-style-type: none"> Continue refinement of project task plan and schedule. 			

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the heat issue in OB2.	<ul style="list-style-type: none"> Continue drafting the investment plan. 		✓	<ul style="list-style-type: none"> Continued drafting sections of the investment plan. 	<ul style="list-style-type: none"> Continue drafting the investment plan. 			
				<ul style="list-style-type: none"> Began enclosure planning with the SDC facilities group. CSD will have a significant reduction in the number of enclosures they need in the SDC compared to what they have in OB2. 				
					<ul style="list-style-type: none"> Begin drafting project charter. 			
Migrate Washington State Patrol (WSP) to the SDC Explore the possibility of moving the WSP data center to the SDC. Plan and execute the first phase.	<ul style="list-style-type: none"> Receive feedback from WSP on cost model items and project task plan and schedule. 		✓	<ul style="list-style-type: none"> Met on July 10 and discussed physical security requirements. WSP is still waiting on a final response from the FBI if the SDC meets the physical security requirements. Did not receive feedback from WSP on the cost model items and project task plan and schedule. A meeting is scheduled for July 27 to refine the draft task plan and schedule. 	<ul style="list-style-type: none"> Receive feedback from WSP on cost model items and project task plan and schedule. 			
	<ul style="list-style-type: none"> Schedule ongoing work sessions. 	✓		<ul style="list-style-type: none"> Bi-weekly meetings have been scheduled for every other Monday starting August 6. 	<ul style="list-style-type: none"> Conduct ongoing work sessions. 			
Virtual Tape Library Disaster Recovery (VTL) Procure additional VTL equipment to eliminate the tape backup system and support mainframe disaster recovery.	<ul style="list-style-type: none"> No activity planned for this reporting period. 			<ul style="list-style-type: none"> No activity was planned or performed for this reporting period. 	<ul style="list-style-type: none"> Meeting scheduled for August 3 to discuss the project. No other activity planned for this reporting period. 			
OB2 Risk Mitigation (CTS Move Phase 2) Continue the progress of Phase 1 by moving additional CTS equipment to the SDC.	<ul style="list-style-type: none"> No activity planned for this reporting period. This project is currently unfunded. 			<ul style="list-style-type: none"> No activity was planned or performed for this reporting period. 	<ul style="list-style-type: none"> No activity planned for this reporting period. 			
OB2 Data Center Optimization Reconfigure remaining equipment in OB2 to optimize airflow and cooling.	<ul style="list-style-type: none"> No activity planned for this reporting period. This project is currently unfunded. 			<ul style="list-style-type: none"> No activity was planned or performed for this reporting period. 	<ul style="list-style-type: none"> No activity planned for this reporting period. 			

Scope Key:

G = No issues are impacting scope
Y = Issues are being tightly managed, but may impact scope
R = Unresolved issues are preventing progress of identified scope

Schedule Key:

G = On schedule
Y = Key milestones are more than 2 weeks late
R = Key milestones are more than 8 weeks late

Budget Key:

G = Planned spending is within 5% to 10% of agreed upon budget
Y = Planned spending is within 11% to 20% of agreed upon budget
R = Planned spending is greater than 20% of agreed upon budget

External Project Collaboration

Project	Planned for this Reporting Period (July 9- July 20)	Status of Work Preformed this Reporting Period (July 9 – July 20)			Planned for Next Reporting Period (July 23– August 3)
		Completed	Continuing	Comments	
Server Virtualization Virtualize CTS physical servers.	<ul style="list-style-type: none"> Prep for the Virtualization of the Teamsite production servers (SSVAPOLYTS1P & SSVDBOLYJR2). Targeting virtualization the weekend of Aug 17-19. 		✓	<ul style="list-style-type: none"> Minor testing. Virtualization schedule: <ul style="list-style-type: none"> Teamsite: Aug 17-19 	<ul style="list-style-type: none"> Prep for the Virtualization of the Teamsite production servers (SSVAPOLYTS1P & SSVDBOLYJR2). Targeting virtualization the weekend of Aug 17-19.
	<ul style="list-style-type: none"> TSD OSS Servers - Further testing of the OSS Workflow. Targeting virtualization the weekend of Sept 8-9 		✓	<ul style="list-style-type: none"> Minor testing. Virtualization schedule: <ul style="list-style-type: none"> OSS Servers: Sept 8-9 	<ul style="list-style-type: none"> TSD OSS Servers - Further testing of the OSS Workflow. Targeting virtualization the weekend of Sept 8-9
Command Center Establish command center support for the SDC.	<ul style="list-style-type: none"> Waiting on a decision to determine the location of Command Center in the SDC or 1500 Jefferson Building before additional planning can be completed. 			<ul style="list-style-type: none"> No action occurred. 	<ul style="list-style-type: none"> No action planned.
Replace Cisco MDS 9509 SAN Fabric Switches Replace SAN fabric switches in OB2 that are at end of vendor support.	<ul style="list-style-type: none"> Start the Fiber Management System (FMS) audit and complete by July 27. 		✓	<ul style="list-style-type: none"> The storage and facilities team developed the plan and began the FMS audit. 	<ul style="list-style-type: none"> Complete FMS audit.
	<ul style="list-style-type: none"> Complete the research on the OB-2 to SDC connectivity. Draft a high level design. 		✓	<ul style="list-style-type: none"> No activity reported 	<ul style="list-style-type: none"> Draft a high level design.

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VLAN Renumbering Optimize VLAN numbering	<ul style="list-style-type: none"> Assign a project manager. 			<ul style="list-style-type: none"> No activity reported 	<ul style="list-style-type: none"> Assign a project manager.
PBX Implement new PBX system	<ul style="list-style-type: none"> Nothing Planned -- Waiting for Cabinets, Power, and Structured Cabling to be ready before moving forward with project. 			<ul style="list-style-type: none"> No action occurred 	<ul style="list-style-type: none"> Nothing Planned -- Waiting for Cabinets, Power, and Structured Cabling to be ready before moving forward with project.

Top 5 Issues *

Issue Key: Green = Issue does not require action within 30 days

Yellow = Issue requires action within 30 days

Red = Issue requires action within 10 days or less

Issue #	Summary Description	Assigned	Priority (R,Y,G)	Opened Date/by	Next Review Date	Target Resolution Date	Resolution	Status
196	A Pathway is needed to connect the 9513 switches in the OB2 East data center to the fiber patch panels that connect to the SDC. Running the cables under the floor tiles is not an option as this worsens the cooling problem in OB2.	SDC	Y	7/10/2012	7/24/2012	8/3/2012	A design decision is being worked on this issue to provide options and a plan.	Open
197	A decision on the Cloud procurement is needed around September 2012 or it will start impacting the server move schedule.	SDC	Y	7/16/2012	8/1/2012	9/1/2012		Open
145	Potential SDC Customers will need to know the billing rates for SDC products and services before they move into the SDC. Both DSHS and WSP have stated that they will not move into the SDC until they know what ongoing operations will cost.	Finance	Y	3/16/21	7/19/12	9/1/12	The CTS Finance group continues to work this.	Open
132	Roles & Responsibilities for the Storage Switches and converged network need to be defined. This includes who manages the SDC fiber channel switches and the roles and responsibilities for troubleshooting fiber channel over Ethernet (FCoE) across the converged network.	SDC	Y	11/3/2011	8/1/2012	9/1/2012	An initial meeting was held to discuss roles and responsibilities. Issue still being worked by TSD and CSD.	Open

Issue #	Summary Description	Assigned	Priority (R,Y,G)	Opened Date/by	Next Review Date	Target Resolution Date	Resolution	Status
134	Will agencies be allowed to bring their corporate networks into the SDC? This impacts network routing, top-of-rack switches and firewalls as these components would come with an agency corporate network.	TSD	G	11/4/11	7/19/12	9/1/12	Draft recommendation due 8/1/2012.	Open

Closed Issues

Issue #	Summary Description	Assigned	Priority (R,Y,G)	Opened Date/by	Next Review Date	Target Resolution Date	Resolution	Status
	None for this reporting period.							

* New or changed items in bold italics

Change Requests *

No.	Description	Requestor	Request Date	Assigned	Cost Impact	Schedule Impact	Status
001	There are no change requests at this time.						

Status (Submitted, Proposal, Approved, Opened, Resolved, Verified, Closed)

* New or changed items in bold italics

Top 5 Risks *

ID	Risk Description	Risk Category	Level of Impact	Likelihood	Schedule	Ability to Meet Deadline	Risk Mitigation Comment	Due Date & Action	Assigned To
1	Customers that were expecting to come into the SDC right away must now wait longer, which has end of life/investment implications	Man	3	R	G	G	Communicate with customers the new plan and schedule.	Ongoing	Program Manager

ID	Risk Description	Risk Category	Level of Impact	Likelihood	Schedule	Ability to Meet Deadline	Risk Mitigation Comment	Due Date & Action	Assigned To
2	Timing may force a need to place hardware in OB2, which has an adverse impact on the heat reduction effort.	Cap	2	Y	G	G	<ul style="list-style-type: none"> Work with customers to identify solutions that minimize additional heat in OB2. Institute OB2 heat reduction initiatives to turn off unused servers Delay implementation of new hardware in OB2 as late as possible 	Ongoing	Facilities
3	Because the project is large and includes substantial logistical challenges involving multiple projects/agencies, interdependencies will be complex and could be overlooked.	Man	1	R	G	G	<ul style="list-style-type: none"> Apply project management practices to manage the effort. Break the work down into small and logical units. Use tools to track tasks, dependencies, issues, risks, etc. and automate the planning and communications as much as possible. Implement migration approaches that minimize impacts of system dependencies, such as spanning the network between the OB2 and SDC data centers. Use development and test platforms to verify system dependencies. 	Ongoing	Sr. Project Manager
4	Even though the scope has been reduced to better match the budget, it may be insufficient. Several items remain unfunded.	Res	1	R	G	G	<ul style="list-style-type: none"> Request funding for unfunded projects Identify other funding sources (if possible) Reduce project scope Back-log unfunded projects 	Ongoing	Program Manager
5	Resource Conflict – Program relies on functional staff with competing priorities.	Res	1	R	G	Y	<ul style="list-style-type: none"> Provide clear management guidance on priorities and carefully manage functional staff to minimize conflicts in priorities and work tasks. Expand resource management and track task assignments to the resource level. Identify areas in the plan where resource loading indicates a problem and take appropriate action. 	Ongoing	Sr. Project Manager

Risk Category = (Res)ources; (Man)agement; (Tec)hnology; (Fun)ctional; (Dev)elopment; (Int)erfaces; (Sec)urity; (Usa)bility; (Ava)ilability; (Per)formance; (Cap)acity; (Sca)lability; (Ext)ernal.

* New or changed items in bold italics

Level of Impact Key:

1=major impact
2=significant impact
3=minor impact
0=no impact

Schedule Key:

G = on schedule
Y = Less than 30 days behind schedule (caution)
R = More than 30 days behind schedule (warning)

Likelihood Key:

G = Low.
Y = Moderate
R = High

Ability to Meet Deadline Key:

G = based on current information, it appears manageable
Y = there are significant obstacles or areas of uncertainty or concerns
R = there are clearly identifiable threats or deterioration of ability to manage and control

Steering Committee Action Items

Item #	Item Description	Assigned	Date Assigned	Date Due
1	No pending action items			